

ABSTRACT

To reduce processing load or processing time required for compression and encryption of data. Data to be compressed, 5 such as image data, is divided into specified block sizes by an image divider (10). A quantizer (12) references a quantization table (14) to quantize each of these blocks of data. The result of this quantization is entropy encoded by an entropy encoder (16) referencing a coding table (18) to acquire compressed data. 10 An encryptor (20) encrypts the quantization table (14) and coding table (18) used in the quantization and encoding using a specified encryption method. A multiplexor (24) gathers together the encrypted data acquired as a result together with the compressed data in a specified format.

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